

Lectures in Radiobiology

22 June 2017 (Thursday)

Bilik Seminar
Level 10, Menara Selatan (Next to Medical Physics Unit)
Jabatan Perubatan Kesukanan
Pusat Perubatan Universiti Malaya

Time	Topic	Speaker
10.00 am – 10.45 am	Monte Carlo models for tumour growth and the corresponding cell death following tumour irradiation	Prof. Dr. Eva Bezak (University of South Australia)
10.45 am – 11.30 am	Predictive models for side effects following radiotherapy	Dr. Noorazrul Azmie Yahya (UKM)
11.30 am to 12.15 pm	Risk of second cancer following prostate radiotherapy	Prof. Dr. Eva Bezak

About the speakers:



Professor Dr. Eva Bezak is a Professor on Medical Radiation at the University of South Australia. Previously she was a Chief Physicist at Department of Medical Physics, Royal Adelaide Hospital, providing services to radiation oncology in South Australia (SA). Her current research topics include: investigation of second primary cancers risks due to radiotherapy, radiobiology, stochastic modelling of tumour growth and response to treatment, novel dosimetry and microdosimetry techniques for verification of patient doses, proton therapy modelling, targeted therapies and others. Eva has authored and co-authored over 100 publications and books on radiotherapy physics. She has been actively involved in a number of development projects and organising committees related to radiotherapy infrastructure, establishment of new radiotherapy centres, staff education and training, scientific meetings, development of national and state cancer plans for radiation oncology and others.



Dr. Noorazrul Yahya graduated with PhD from the University of Western Australia in 2016. His PhD focuses on improving the prediction of toxicity related to prostate radiotherapy by utilising machine learning methods, dose-surface maps and longitudinally-defined endpoints. He is currently a lecturer at Universiti Kebangsaan Malaysia.